

WHAT IS CLAIMED

1. A system for communicating remote sources and users of real time data, comprising:  
an installation-local unit comprising at least one receiver communicated with an installation for receiving real time data from said installation and, a formatting unit for formatting said real time data into a suitable communication protocol so as to provide universal data;

an additional unit spaced from said installation-local unit and communicated with said installation-local unit for receiving said universal data, and further comprising an additional formatting unit for translating said universal data into a different application protocol so as to provide user-application compatible data; and

a user-application of said real time data adapted to receive said user-application compatible data.

2. The system of claim 1, wherein said installation-local unit and said additional unit are communicated by spread spectrum high speed radio link.

3. The system of claim 1, wherein said installation local unit comprises a plurality of installation local unit at least two of which generate said real time data in difficult formats, and wherein said additional unit comprises at least two additional unit having user-application of said real time data which require said real time data in at least two different formats.

4. The system of claim 1, wherein said installation-local unit further comprises a user of additional data from said additional unit, and wherein said additional formatting unit translates said additional data into said compatible communication protocol, and said formatting unit translate said suitable communication protocol suitable format for said user of additional data.

5. The system of claim 1, wherein said real time data is in a different format from said user-application compatible data.

6. The system of claim 1, wherein said additional unit is wireless communicated with said installation-local unit.

7. A method for communicating remote sources and users of real time data, comprising the steps of:

providing an installation-local unit comprising at least one receiver communicated with an installation for receiving real time data from said installation and, a formatting unit for formatting said real time data into a suitable communication protocol so as to provide universal data;

providing an additional unit spaced from said installation-local unit and communicated with said installation-local unit for receiving said universal data, and further comprising an additional formatting unit for translating said universal data into a different application protocol so as to provide user-application compatible data;

transmitting said universal data from said installation-local unit to said additional unit;

translating said universal data into said user-application compatible data at said additional unit; and

providing said user-application compatible data to a user-application.

8. The method of claim 7, wherein said installation-local unit and said additional unit are communicated by spread spectrum high speed radio link.

9. The method of claim 7, wherein said installation local unit comprises a plurality of installation local unit at least two of which generate said real time data in difficult formats, and wherein said additional unit comprises at least two additional unit having user-application of said real time data which require said real time data in at least two different formats.

10. The method of claim 7, wherein said installation-local unit further comprises a user of additional data from said additional unit, and wherein said additional formatting unit translates said additional data into said compatible communication protocol, and said formatting unit translate said suitable communication protocol suitable format for said user of additional data.

11. The method of claim 7, wherein said real time data is in a different format from said user-application compatible data.

12. The method of claim 7, wherein said additional unit is wireless communicated with said installation-local unit.